

## Observations, intermittency and Multifractals (STORM)



### Data

Cluster, Ulysses, Venus Express, Giotto, THEMIS, Mars Global Surveyor, Cassini, Voyager

### Methods

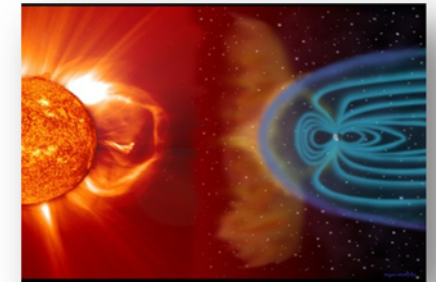
Power spectral densities

Probability distribution functions

Higher order moments

Partition Function Multifractal Analysis (PFMA)

Rank Ordered Multifractal Analysis (ROMA)



### Scientific problems for turbulence

- Energy cascade and dissipation
- Multifractality and intermittency
- Anisotropy and non-linearity
- Solar cycle dependence

